

AMENDMENTS TO THE CLAIMS

Claim 1 (original): An illumination system for directing light onto a vehicle tire comprising a light source for directing light onto a vehicle tire, a power supply connected to the light source, and control means for flashing the light source at one of a plurality of fixed frequencies independent of rotational speed of the vehicle tire.

Claim 2 (original): An illumination system as in claim 1 wherein the fixed frequencies include three flashes per second, seven flashes per second and eleven flashes per second.

Claim 3 (original): An illumination system as in claim 2 in combination with a vehicle tire with indicia on sidewall portions of the tire.

Claim 4 (currently amended): An illumination system for directing controlled flashes of light onto a vehicle wheel, the system including a housing, constructed and arranged to rotate with a vehicle wheel, a cavity within the housing, substantially stationary lighting means and substantially stationary control means ~~therefore~~ therefor within the cavity, and window means in the housing for directing lighting from the lighting means within the cavity onto a vehicle wheel, whereby the control means is constructed and arranged to flash the lighting means at a frequency related to rotational speed of the wheel.

Claim 5 (original): An illumination system as in claim 4 in combination with a vehicle wheel.

Claim 6 (original): An illumination system as in claim 5 wherein the vehicle wheel has spaced apart spokes with spaces therebetween.

Claim 7 (currently amended): An illumination system as in claim 6 wherein the ~~windows~~ window means in the housing open onto the spokes of the wheel and the spaces therebetween.

Claim 8 (currently amended): An illumination system as in claim 7 wherein the lighting means comprises a circular array of spaced apart LEDs.

Claim 9 (original): An illumination system as in claim 8 wherein the control means includes a battery and microprocessor.

Claims 10 (currently amended): An illumination system as in claim 7 including spoke lenses above each spoke connected to the housing above the ~~windows~~ window means whereby light passes through the ~~windows~~ window means onto the spoke lenses.

Claim 11 (currently amended): An illumination system as in claim 7 wherein the lighting means comprises two spaced apart circular arrays of spaced apart LEDs.

Claim 12 (canceled)

Claim 13 (currently amended): An illumination system as in claim 42 7 including a magnet connected to rotate with the housing, and a magnetic sensor on the control means for the lighting means for determining the rotational speed of the vehicle wheel.

Claim 14 (currently amended): An illumination system as in claim 13 wherein the control means flashes the lighting means in direct relationship to the rotational speed of the vehicle wheel whereby the spokes and spaces therebetween appear stationary.

Claim 15 (currently amended): An illumination system as in claim 13 wherein the control means flashes the lighting means at a frequency higher than the rotational speed of the vehicle wheel whereby the spokes and spaces therebetween appear to slowly rotate backward.

Claim 16 (currently amended): An illumination system as in claim 13 wherein the control means flashes the lighting means at a frequency lower than the rotational speed of the vehicle wheel whereby the spokes and spaces therebetween appear to slowly rotate forward.

Claim 17 (currently amended): An illumination system as in claim 4 wherein the lighting means comprises ultraviolet radiation.

Claim 18 (currently amended): An illumination system as in claim 4 wherein the lighting means comprises infrared radiation.

Claim 19 (original): An illumination system as in claim 4 wherein the window means extends 360° around the housing.

Claim 20 (currently amended): An illumination system for directing controlled flashes of light onto a vehicle wheel, the system including a housing constructed and arranged to rotate with a vehicle wheel, a cavity within the housing, substantially stationary lighting and control means ~~therefore~~ therefor within the cavity, window means in the housing for directing light from the cavity onto a vehicle wheel, whereby the control means is constructed and arranged to flash the lighting at a desired frequency.

Claim 21 (new): An illumination system as in claim 4 including a remote control connected to the control means constructed and arranged to energize and deenergize the system and to select and alter the frequency of flashing the lighting means.